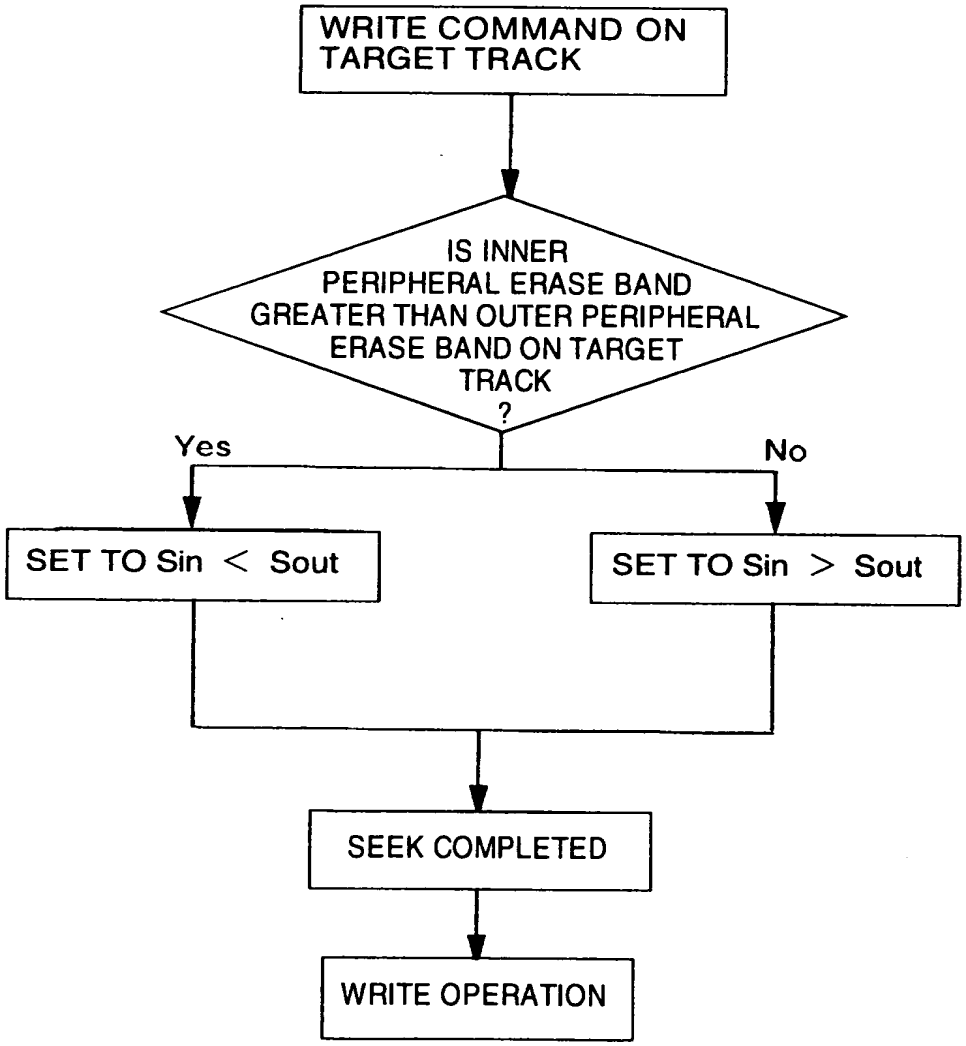
FIG.1


WRITE COMMAND ON TARGET TRACK
IS INNER PERIPHERAL ERASE BAND GREATER THAN OUTER PERIPHERAL ERASE BAND ON TARGET TRACK ?
Yes
No
SET TO Sin < Sout
SET TO Sin > Sout
SEEK COMPLETED
WRITE OPERATION

WRITE INHIBIT SLICE LEVEL FOR INNER PERIPHERAL SIDE OFFSET : Sin

WRITE INHIBIT SLICE LEVEL FOR OUTER PERIPHERAL SIDE OFFSET : Sout

FIG.2 PRIOR ART

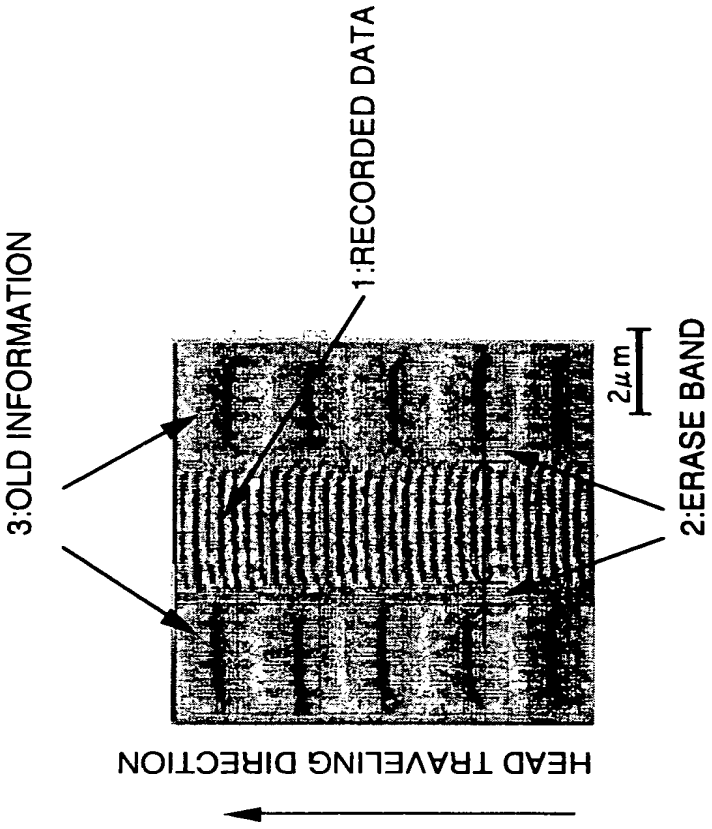
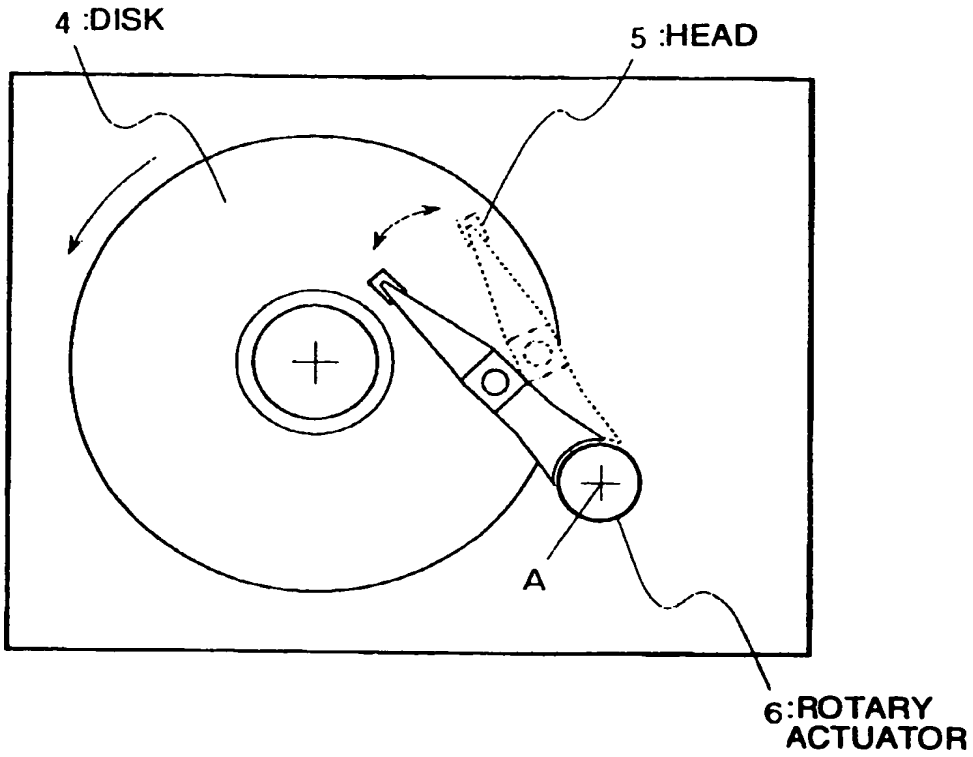
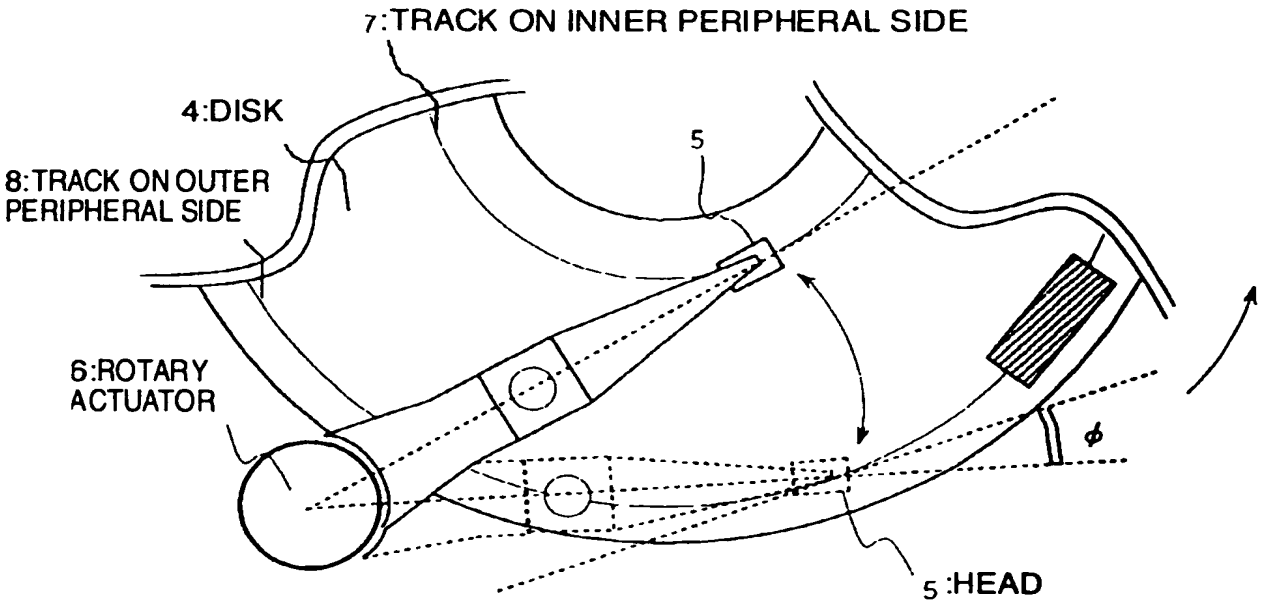


FIG.3



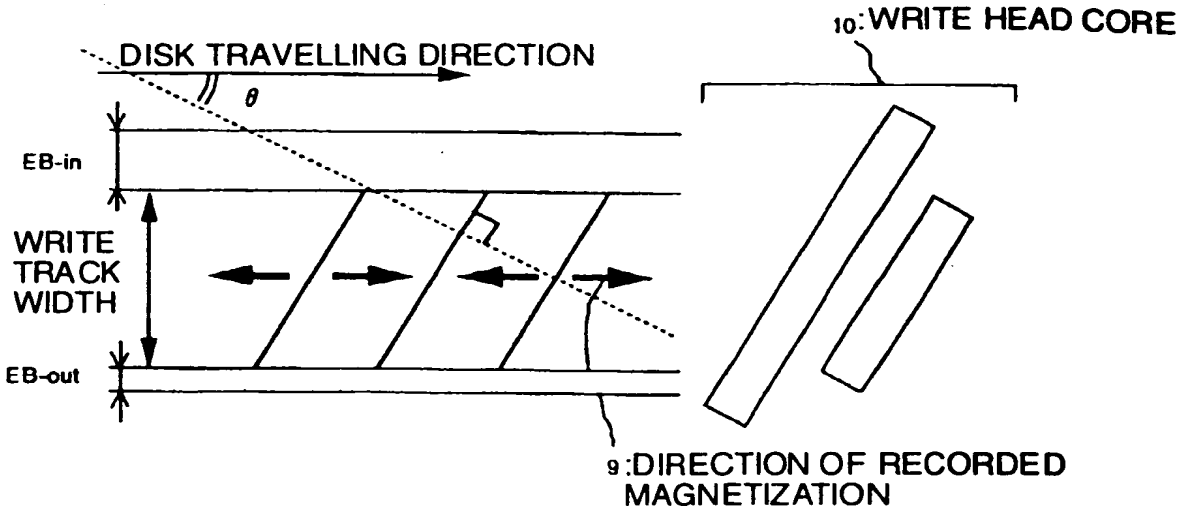
PRIOR ART

FIG.4



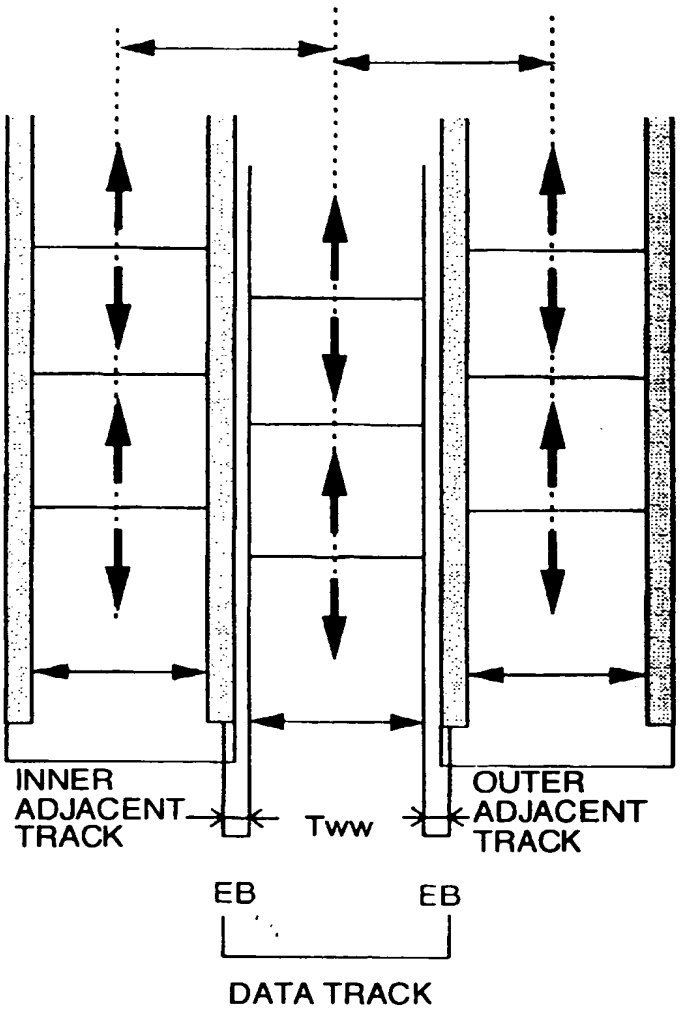
PRIOR ART

FIG.5



PRIOR ART

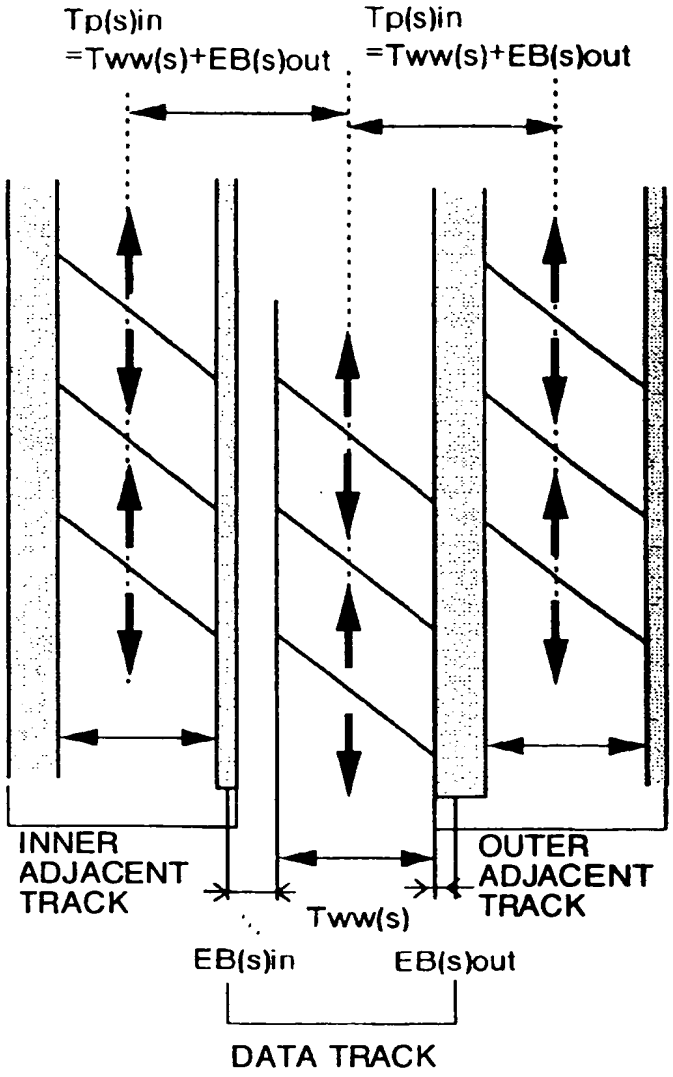
FIG.6 PRIOR ART



WRITE PROCEDURE:

(1) WRITE DATA TRACK
(2) WRITE INNER ADJACENT TRACK
(3) WRITE OUTER ADJACENT TRACK

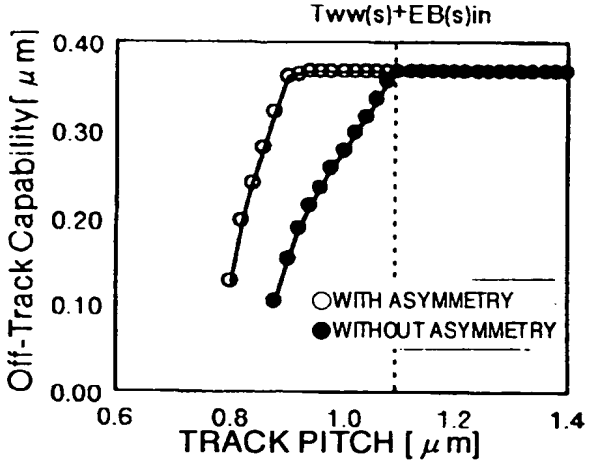
FIG.7 PRIOR ART



WRITE PROCEDURE:

(1) WRITE DATA TRACK
(2) WRITE INNER ADJACENT TRACK
(3) WRITE OUTER ADJACENT TRACK

FIG.8 PRIOR ART



○ WITH ASYMMETRY : Tww(s)=0.7 μm, EB(s)in=0.20 μm, EB(s)out=0.20 μm
● WITHOUT ASYMMETRY : Tww(s)=0.7 μm, EB(s)in=0.39 μm, EB(s)out=0.01 μm

READ TRACK WIDTH CONDITION : 0.55 μm(COMMON)

FIG.9

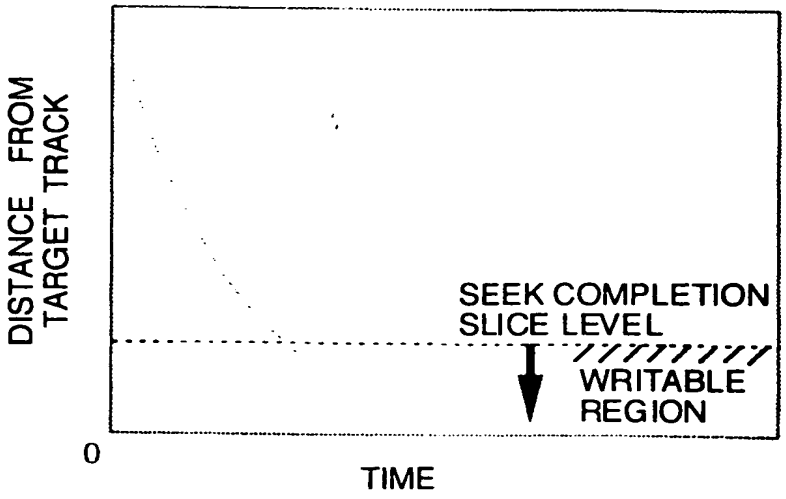
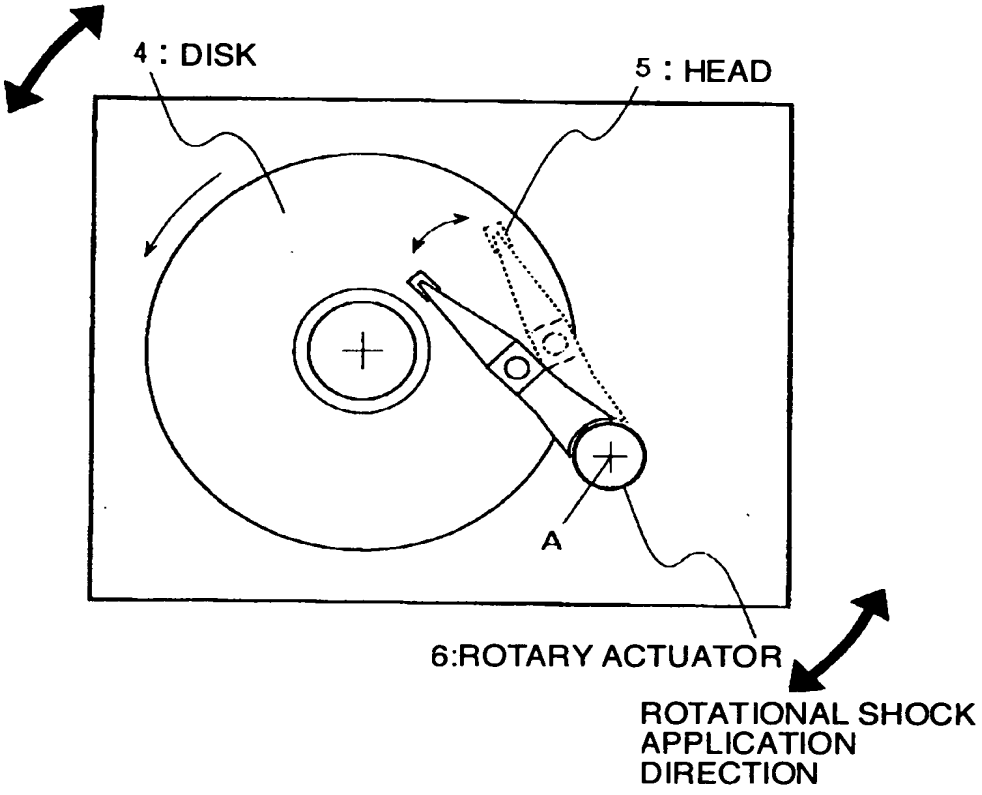


FIG.10


4 : DISK
5 : HEAD
A
6:ROTARY ACTUATOR
ROTATIONAL SHOCK
APPLICATION
DIRECTION